

CLAIMS

We claim:

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A golf ball comprising:

a center;

a thread winding layer comprising at least one thread, said thread having a specific gravity greater than 0.94, and wherein said thread winding layer is disposed over said center creating a core; and

a cover, wherein said cover is disposed over said core.

2. The golf ball of claim 1, wherein said thread is comprised of a thermoset material having a specific gravity greater than 0.94.
3. The golf ball of claim 1, wherein said thread is comprised of a thermoplastic elastomer (TPE) material having a specific gravity greater than 0.94.
4. The golf ball of claim 1, wherein said thread comprises at least one high specific gravity filler.
5. The golf ball of claim 2, wherein said thread further comprises at least one high specific gravity filler.
6. The golf ball of claim 3, wherein said thread further comprises at least one high specific gravity filler.

7. The golf ball of claim 4, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

5 8. The golf ball of claim 5, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

9. The golf ball of claim 6, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

10. The golf ball of claim 4, wherein said high specific gravity filler is tungsten.

11. The golf ball of claim 5, wherein said high specific gravity filler is tungsten.

12. The golf ball of claim 6, wherein said high specific gravity filler is tungsten.

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13. A method of making a thread winding layer having a high specific gravity filler comprising the steps of:

mixing a rubber and its components and a high specific gravity filler to form a mixture;

calendering said mixture;

sheeting said mixture;

curing said mixture; and

slitting said mixture into strips.

14. The method according to claim 13, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/Steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

15. The method according to claim 13, wherein said high specific gravity filler is tungsten.

16. A method of making a golf ball having high specific gravity threads comprising the steps of:

mixing a rubber, curatives and a high specific gravity filler to form a mixture;

calendering said mixture;

sheeting said mixture;

curing said mixture;

slitting said mixture into strips to form at least one heavy thread;

wrapping said heavy thread around a center forming a core; and

disposing a cover upon said core.

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17. The method according to claim 16, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

18. The method according to claim 16, wherein said high specific gravity filler is tungsten.

19. A method of making a golf ball having high specific gravity threads comprising the steps of:

wrapping at least one thread having a specific gravity greater than 0.94 around a center forming a core; and

disposing a cover upon said core.

20. The method of claim 19 further comprising the step of adding a high specific gravity filler to said at least one thread.

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21. The method according to claim 20, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

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22. The method according to claim 20, wherein said high specific gravity filler is tungsten.

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